

ABSTRACT

Anti-microbial activity is permanently applied to the surfaces of polyolefin objects by incorporating anti-microbial metals and metal salts into the surfaces. This is achieved by coating the selected surface of a preformed polyolefin part with the anti-microbial composition of this invention and then heating the surface of the object to fuse the coating into the polyolefin wall. Alternatively, the composition can be applied to the interior surface of a manufacturing mold at the start of the molding cycle from where it is incorporated into the wall of the molded object during its manufacture. The antimicrobial composition comprises from 0.5 to 5 weight percent of an anti-microbial additive in a hydrocarbon resin or polyolefin having a low melt index. This composition can be diluted with an organic or aqueous carrier for ease of application.